

Title (en)

Apparatus and method for calibrating array antenna

Title (de)

Vorrichtung und Verfahren zur Kalibrierung einer Gruppenantenne

Title (fr)

Dispositif et procédé d'étalonnage d'un réseau d'antennes

Publication

EP 1294047 A3 20060104 (EN)

Application

EP 02020568 A 20020917

Priority

JP 2001281662 A 20010917

Abstract (en)

[origin: EP1294047A2] The apparatus of the present invention includes: a plurality of first antenna elements in said antenna elements for calibration; a calibration signal supplier for supplying a calibration signal to a second antenna element near at least two first antenna elements, or a coupler connected to said first antenna element; a section which obtains a relative phase fluctuation between the antenna elements based on the calibration signal received by the plurality of antenna elements and user signals received respectively by the antenna elements; a calibration factor supplier which obtains a relative amplitude fluctuation between the antenna elements of the array antenna based on the calibration signals received by at least first antenna elements and the user signals received respectively by the antenna elements; and a beam former which calibrates the user signals received respectively by the antenna elements using the relative phase fluctuation and the relative amplitude fluctuation.

IPC 8 full level

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CPC (source: EP KR US)

H01Q 3/267 (2013.01 - EP US); **H01Q 21/00** (2013.01 - KR)

Citation (search report)

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DOCDB simple family (application)

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